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Ingemar Bystedt

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EXAMINER

PATEL, ASHOKKUMAR B

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/522,357	Applicant(s) BYSTEDT, INGEMAR	
	Examiner Ashok B. Patel	Art Unit 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/26/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-10 are subject to examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Spence et al. (hereinafter Spence) (US 6, 185, 600 B1)

Referring to claim 1,

Spence teaches a method of monitoring an information system, comprising: providing a real-time engine unit (12) (Fig. 1, element 140, Col. 3, line 12-19, "As shown in FIG. 1, the architecture of the universal event browser includes a universal user interface generator 130, one or more product specific interfaces 140, 160, one or more product specific event repositories 142, 162 corresponding to one or more product specific applications 144, 164, and one or more product specification files 146, 166.") in communication with a broker unit (14) (Fig. 1, element 130, "col. 3, line 20-22, "Universal user interface generator 130 creates and sends universal interface data 115, 116 to local browser 102, 112 executing on client 110."), the engine unit (12) having an event source unit (30) (col. 5, line 15-22, "Each product specific interface 140, 160 is configured to interact with the an event collector means 145, 165 implemented in the appropriate product specific application 144, 164 to collect product

event data, format the data as described by the IPC protocol, and send requested event data 182, 192 to the universal user interface generator 130 via an IPC socket 180, 190.") and a metrics source unit (32) (col. 3, line 12-17, "As shown in FIG. 1, the architecture of the universal event browser includes a universal user interface generator 130, one or more product specific interfaces 140, 160, **one or more product specific event repositories 142, 162** corresponding to one or more product specific applications 144, 164, and one or more product specification files 146, 166." **Note: Underlined bold are claim limitations that identified by the prior art.**);

the engine unit (12) receiving an event signal (94) from the source unit (30) in a first protocol language (col. 5, line 15-22, "Each product specific interface 140, 160 is configured **to interact with the an event collector means 145, 165 implemented in the appropriate product specific application 144, 164 to collect product event data, format the data** as described by the IPC protocol, and send requested event data 182, 192 to the universal user interface generator 130 via an IPC socket 180, 190." **Please note that product specific interface has to format the data.**)

the engine unit obtaining a metrics parameter (48) in a signal (96) from the source unit (32) in a second protocol language (Abstract: "In addition, each product specific application is associated **with a product specification file which contains window display configuration parameters, preferably written in a generic specification language**.", col. 2, line 20-26, "A generic specification language is also provided which allows the specific display and filtering parameters to be defined for the user's display. The vendor or developer of each product specific application defines the

format of its own product specific display window by specifying the desired window and filtering parameters using the generic specification language in a product specific specification file." **Please note "a generic specification language"**);

the engine unit (12) converting the first protocol language of the signal (94) and the second protocol language of the signal (96) to a third protocol language (col. 6, line 11-26, "FIG. 5 is a block diagram illustrating a process performed by an example product specific application 510 for collecting event data. In this example, event occurrences trigger a trap routine 501 which is implemented in product specific application 510. As shown in FIG. 5, trap routine 501 invokes an event manager routine 503, which is preferably implemented in product specific application 510, and which performs any necessary event data formatting and deposits the formatted event data into its product specific event repository 505. The product specific interface 507 corresponding to product specific application 510 reads events from the product specific event repository 505. Product specific interface 507 scans its product specific specification file (not shown) filter requests specific to the product specific application.");

the engine unit (12) transmitting a signal (74) in the third protocol language, the signal (74) containing information from the signals (94, 96) (col. 5, line 22-25, "Product specific interface 140, 160 is preferably configured to send events which are newly added to the product specific event repository to universal user interface generator 130 in realtime.");

the broker unit (14) receiving information of the signal (74) in the third protocol language, the unit (14) converting the information in the third protocol language

to a universal protocol language that is understood by a plurality of consumers (16a-16f); and the broker unit (14) sending signals (78a-78f) containing the information in the universal protocol language to the consumer units (16a-16f), respectively (col. 1, line 61- col. 2, line 19, "According to the invention, an architecture is defined which isolates generic user interface functionality from the implementation of each product specific application as much as possible. Under the architecture defined by the invention, generic graphical user interface (GUI) tasks, which are not product specific, are implemented in a universal user interface generator. Data collection tasks, which are product specific since each product specific application maintains a separate and different event data store, are implemented in independent product specific interfaces defined for each product specific application. The architecture described in conjunction with the structure of the illustrative embodiments presented herein allows a host of different product specific applications to be supported by a universal event browser by providing a single front-end universal user interface generator which communicates with the user via the client's local internet browser, and a product specific interface for each product specific application (or collection of applications) which perform the actual event retrieval and **communicate with the universal user interface generator via a well-defined communications protocol.** This architecture complies with the database retrieval requirements of each product specific application using a minimal amount of coding; no duplicated code is required since the universal user interface generator interacts equally well with all of the product specific interfaces.")

Referring to claim 2,

Spence teaches the method according to claim 1 wherein the method further comprises the engine unit (12) filtering information and correlating events (col. 4, line 60-67, "Navigation region application 131 retrieves product specific filters from the product developer defined specification file 146, 166, and, if allowed, user selected filters retrieved from the user's local browser 102, 104, and sends filter requests 384, 394 via HTTP to the Events table application, which sends the filter requests 184, 194 to, and receives new filtered event data 182, 192 from, the appropriate product specific interface 140, 160. ").

Referring to claim 3,

Spence teaches the method according to claim 1 wherein the method further comprises the engine unit (12) is only able to communicate with the broker unit (14) (col. 5, line 5-9, "Universal interface generator 130 communicates with the product's corresponding product specific interface 140, 160, preferably using the well-known inter-process communication (IPC) protocol, for the retrieval of event data stored in the product's corresponding product specific event repository 156.")

Referring to claim 4,

Spence teaches the method according to claim 1 wherein the method further comprises the broker unit (14) converting information from the engine unit (12) to a format that is readable by all the consumers (16a-16f) (col. 1, line 61- col. 2, line 19, "According to the invention, an architecture is defined which isolates generic user interface functionality from the implementation of each product specific application as much as possible. Under the architecture defined by the invention, generic graphical

user interface (GUI) tasks, which are not product specific, are implemented in a universal user interface generator. Data collection tasks, which are product specific since each product specific application maintains a separate and different event data store, are implemented in independent product specific interfaces defined for each product specific application. The architecture described in conjunction with the structure of the illustrative embodiments presented herein allows a host of different product specific applications to be supported by a universal event browser by providing a single front-end universal user interface generator which communicates with the user via the client's local internet browser, and a product specific interface for each product specific application (or collection of applications) which perform the actual event retrieval and communicate with the universal user interface generator via a well-defined communications protocol. This architecture complies with the database retrieval requirements of each product specific application using a minimal amount of coding; no duplicated code is required since the universal user interface generator interacts equally well with all of the product specific interfaces.").

Referring to claim 5,

Spence teaches the method according to claim 1 wherein the method further comprises the broker unit (14) communicating with the engine unit (12) in a unique language (73) that is only used in communication with the broker unit (14) and the engine unit (12) (col. 1, line 61- col. 2, line 19, "According to the invention, an architecture is defined which isolates generic user interface functionality from the implementation of each product specific application as much as possible. Under the

architecture defined by the invention, generic graphical user interface (GUI) tasks, which are not product specific, are implemented in a universal user interface generator. Data collection tasks, which are product specific since each product specific application maintains a separate and different event data store, are implemented in independent product specific interfaces defined for each product specific application. The architecture described in conjunction with the structure of the illustrative embodiments presented herein allows a host of different product specific applications to be supported by a universal event browser by providing a single front-end universal user interface generator which communicates with the user via the client's local internet browser, and a product specific interface for each product specific application (or collection of applications) which perform the actual event retrieval and communicate with the universal user interface generator via a well-defined communications protocol. This architecture complies with the database retrieval requirements of each product specific application using a minimal amount of coding; no duplicated code is required since the universal user interface generator interacts equally well with all of the product specific interfaces.").

Referring to claim 6,

Spence teaches the method according to claim 1 wherein the method further comprises the broker unit (14) converting information in a signal (74) to a uniform protocol (76) that is understood by all the consumers (16a-16f) (col. 1, line 61- col. 2, line 19, "According to the invention, an architecture is defined which isolates generic user interface functionality from the implementation of each product specific application

as much as possible. Under the architecture defined by the invention, generic graphical user interface (GUI) tasks, which are not product specific, are implemented in a universal user interface generator. Data collection tasks, which are product specific since each product specific application maintains a separate and different event data store, are implemented in independent product specific interfaces defined for each product specific application. The architecture described in conjunction with the structure of the illustrative embodiments presented herein allows a host of different product specific applications to be supported by a universal event browser by providing a single front-end universal user interface generator which communicates with the user via the client's local internet browser, and a product specific interface for each product specific application (or collection of applications) which perform the actual event retrieval and communicate with the universal user interface generator via a well-defined communications protocol. This architecture complies with the database retrieval requirements of each product specific application using a minimal amount of coding; no duplicated code is required since the universal user interface generator interacts equally well with all of the product specific interfaces.").

Referring to claim 7,

Spence teaches the method according to claim 1 wherein the method further comprises the source unit (30) monitoring events (42) without retrieving the events (42) (Fig. 1, element 145).

Referring to claim 8,

Spence teaches the method according to claim 7 wherein the method further comprises grading the event (42) according to a severity grade (Fig. 2, element 204, 208).

Referring to claim 9,

Spence teaches the method according to claim 1 wherein the method further comprises the event (42) triggering a second event (col. 4, line 32-38).

Referring to claim 10,

Spence teaches the method according to claim 1 wherein the method further comprises the metric source unit (32) monitoring metric parameters (Abstract: "In addition, each product specific application is associated with a product specification file which contains window display configuration parameters, preferably written in a generic specification language.")

Conclusion

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 6:30 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan A. Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

abp

/Ashok B. Patel/
Ashok B. Patel
Examiner,
Art Unit 2154